



Europäische Patentamt
European Patent Office
Offic européen des brevets



(11) Publication number : **0 452 034 A3**

(12)

EUROPEAN PATENT APPLICATION

(21) Application number : **91302952.6**

(51) Int. Cl.⁵ : **C09J 183/04**

(22) Date of filing : **04.04.91**

(30) Priority : **13.04.90 US 508459**

(43) Date of publication of application :
16.10.91 Bulletin 91/42

(84) Designated Contracting States :
BE CH DE ES FR GB IT LI NL SE

(88) Date of deferred publication of search report :
04.03.92 Bulletin 92/10

(71) Applicant : **DOW CORNING CORPORATION**
3091 S. Saginaw Road
Midland Michigan 48686-0994 (US)

(72) Inventor : **Sweet, Randall Paul**
1013 Scott Street
Midland, Michigan (US)

(74) Representative : **Laredo, Jack Joseph et al**
Elkington and Fife Prospect House 8
Pembroke Road
Sevenoaks, Kent TN13 1XR (GB)

(54) **Hot-melt silicone pressure sensitive adhesives with phenyl-containing siloxane fluid additive and related methods and articles.**

(57) Hot-melt silicone pressure sensitive adhesive compositions, methods of using the compositions, articles made using the compositions and methods of making articles using the compositions. The hot-melt silicone pressure sensitive adhesive compositions include a mixture of (i) a silicone resin, (ii) a silicone fluid and (iii) from about 0.5 to about 20 weight percent, based on the total weight of the silicone resin and the silicone fluid, of a phenyl-containing polysiloxane fluid having a viscosity at 25°C. of from about 5 to about 60,000 centistokes.

EP 0 452 034 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 2952

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.5)
X	WO-A-8 600 532 (FLEXCON COMPANY, INC.) * page 10, line 16 - line 29; claims 1,3-10 *	1-11	C09J183/04
X	US-A-4 460 371 (H.ABBER) * claims 1,2,12-14 *	1-11	
X	US-A-4 016 328 (A.E.HORNING) * column 2, line 39 - column 3, line 32; claims 1-4,9-15; examples 1-25 * * column 4, lines 1 - 13, 20 - 49 *	1-4	
X	US-A-3 929 704 (A.E.HORNING) * claims 1-4,10-16 *	1-4	
A	US-A-4 882 377 (R.P.SWEET ET AL.) * claims 1,4-17 * * column 9, line 1 - line 8 * * column 12, line 9 - column 13, line 13 *	1-11	
A	EP-A-0 315 333 (DOW CORNING CORPORATION) * page 4, line 11 - line 19; claim 1 *	1	TECHNICAL FIELDS SEARCHED (Int. CL.5)
			C09J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 DECEMBER 1991	Examiner KANETAKIS I.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 150 (04/91) (P.04/91)